



SAMSUNG

PLASMA DISPLAY



ELECTRONICS

Samsung Electronics America inc.
105 Challenger Road, Ridgefield Park, N.J. 07660-0511, U.S.A

SERVICE DIVISION
TEL: 1-800-SAMSUNG (1-800-726-7864)
www.samsungsupport.com

Owner's Instructions
SPL4225



Warning! Important Safety Instructions

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol indicates high voltage is present inside. It is dangerous to make any kind of contact with any inside part of this product.



This symbol alerts you that important literature concerning operation and maintenance has been included with this product.

Note to CATV system installer: This reminder is provided to call CATV system installer's attention to Article 820-40 of the National Electrical Code (Section 54 of Canadian Electrical Code, Part I), that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Caution: FCC/CSA regulations state that any unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Caution: To prevent electric shock, match the wide blade of plug to the wide slot, and fully insert the plug.

Attention: pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

Important: One Federal Court has held that unauthorized recording of copyrighted TV programs is an infringement of U.S. copyright laws.

Certain Canadian programs may also be copyrighted and any unauthorized recording in whole or in part may be in violation of these rights.

TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Plasma Display Thank You for Choosing Samsung

Thank you for choosing Samsung! Your new Samsung product represents the latest in television technology. We designed it with easy-to-use on-screen menus and closed captioning capabilities, making it one of the best products in its class. We are proud to offer you a product that will provide convenient, dependable service and enjoyment for years to come.

Important Safety Information

Always be careful when using your Monitor. To reduce the risk of fire, electrical shock, and other injuries, keep these safety precautions in mind when installing, using, and maintaining your machine.

- Read all safety and operating instructions before operating your Monitor.
- Keep the safety and operating instructions for future reference.
- Heed all warnings on the Monitor and in the operating instructions.
- Follow all operating and use instructions.
- Unplug the Monitor from the wall outlet before cleaning. Use a damp cloth; do not use liquid or aerosol cleaners.
- Never add any attachments and/or equipment without approval of the manufacturer. Such additions can increase the risk of fire, electric shock, or other personal injury.
- Do not use the Monitor where contact with or immersion in water is a possibility, such as near bath tubs, sinks, washing machines, swimming pools, etc.
- Do not place the Monitor on an unstable cart, stand, tripod, bracket, table, or floor where it can fall. A falling Monitor can cause serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the Monitor. Follow the manufacturer's instructions when mounting the unit, and use a mounting accessory recommended by the manufacturer. Move the Monitor and cart with care. Quick stops, excessive force, and uneven surfaces can make the unit and cart unsteady and likely to overturn.
- Provide ventilation for the Monitor. The unit is designed with slots in the cabinet for ventilation to protect it from overheating. Do not block these openings with any object, and do not place the Monitor on a bed, sofa, rug, or other similar surface. Do not place it near a radiator or heat register. If you place the Monitor on a rack or bookcase, ensure that there is adequate ventilation and that you've followed the manufacturer's instructions for mounting.
- Operate your Monitor only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your appliance dealer or local power company.
- Use only a grounded or polarized outlet. For your safety, this Monitor is equipped with a polarized alternating current line plug having one blade wider than the other. This plug will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still does not fit, contact your electrician to replace your outlet.



FCC Information

- Protect the power cord. Power supply cords should be routed so that they won't be walked on or pinched by objects placed on or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.
- Unplug the Monitor from the wall outlet and disconnect the antenna or cable system during a lightning storm or when left unattended and unused for long periods of time. This will prevent damage to the unit due to lightning and power-line surges.
- Avoid overhead power lines. An outside antenna system should not be placed in the vicinity of overhead power lines or other electric light or power circuits or where it can fall into such power lines or circuits. When installing an outside antenna system, be extremely careful to keep from touching the power lines or circuits. Contact with such lines can be fatal.
- Do not overload the wall outlet or extension cords. Overloading can result in fire or electric shock.
- Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts. Never spill liquid of any kind on the Monitor.
- Ground outdoor antennas. If an outside antenna or cable system is connected to the Monitor, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No.70-1984, provides information about proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
- Do not attempt to service the Monitor yourself. Refer all servicing to qualified service personnel. Unplug the unit from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - when the power-supply cord or plug is damaged
 - if liquid has been spilled on the unit or if objects have fallen into the unit
 - if the Monitor has been exposed to rain or water
 - if the Monitor does not operate normally by following the operating instructions
 - if the Monitor has been dropped or the cabinet has been damaged
 - when the Monitor exhibits a distinct change in performance
- If you make adjustments yourself, adjust only those controls that are covered by the operating instructions. Adjusting other controls may result in damage and will often require extensive work by a qualified technician to restore the Monitor to normal.
- When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in additional damage to the unit.
- Upon completion of any service or repairs to this Monitor, ask the service technician to perform safety checks to determine that the Monitor is in a safe operating condition.
- The PDP can properly operate within the temperature range of 32~104°F and humidity 80%. Do not use in a hot and humid place. within the temperature range of
- Before moving the PDP equipped with speakers, separate the speakers from the PDP. If you move the PDP holding the speakers, it may result in a detachment of the PDP and cause any damage to the PDP and other personal injury.

User Instructions

The Federal Communications Commission Radio Frequency Interference Statement includes the following warning:
 NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
 This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

User Information

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. If necessary, consult your dealer or an experienced radio/television technician for additional suggestions. You may find the booklet called How to Identify and Resolve Radio/TV Interference Problems helpful. This booklet was prepared by the Federal Communications Commission. It is available from the U.S. Government Printing Office, Washington, DC 20402, Stock Number 004-000-00345-4 .

Warning

This is a Class B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.
 User must use shielded signal interface cables to maintain FCC compliance for the product.
 Declaration of conformity for products marked with FCC Logo. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 (1) this device may not cause harmful interference, and
 (2) this device must accept any interference received, including interference that may cause undesired operation.

The party responsible for product compliance: SAMSUNG ELECTRONICS CO., LTD
 America QA Lab of Samsung
 3351 Michelson Drive, Suite #290,
 Irvine, CA 92612, U.S.A
 Tel) 949-975-7310
 Fax) 949-975-7328
 Provided with this monitor is a detachable power supply cord with IEC320 style terminations. It may be suitable for connection to any UL Listed personal computer with similar configuration. Before making the connection, make sure the voltage rating of the computer convenience outlet is the same as the monitor and that the ampere rating of the computer convenience outlet is equal to or exceeds the monitor voltage rating. For 110 Volt applications, use only UL Listed detachable power cord with NEMA configuration 5-15P type (parallel blades) plug cap. For 230 Volt applications use only UL Listed Detachable power supply cord with NEMA configuration 6015P type (tandem blades) plug cap.

IC Compliance Notice

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations of ICES-003.

Notice de Conformité IC

Cet appareil numérique de Classe B respecte toutes les exigences du Règlement ICES-003 sur les équipements produisant des interférences au Canada.

European Notice

Products with the CE Marking comply with both the EMC Directive (89/336/EEC), (92/31/EEC), (93/68/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community. Compliance with these directives implies conformity to the following European Norms:

- EN55022 : 1998 Class B
- EN55024 : 1998
- EN61000-3-2 : 1995
- EN61000-3-3 : 1995

User Instructions

Screen Image retention

Do not display a still image (such as on a video game or when hooking up a PC to this Monitor) on the plasma monitor panel for more than several minutes as it can cause screen image retention. This image retention is also known as "screen burn". To avoid such image retention, refer to page 28 of this manual to reduce the degree of brightness and contrast of this screen when displaying a still image.

Cell Defect

The plasma display panel consists of fine cells. Although the panels are produced with more than 99.9 percent active cells, there may be some cells that do not produce light or remain lit.

Altitude

The PDP will not operate normally at altitudes above 6500 ft.

Warranty

Warranty Period: One year starting from the purchase of your Monitor.
Warranty does not cover any damage caused by image retention.

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SAMSUNG

P L A S M A D I S P L A Y P A N E L

Setup

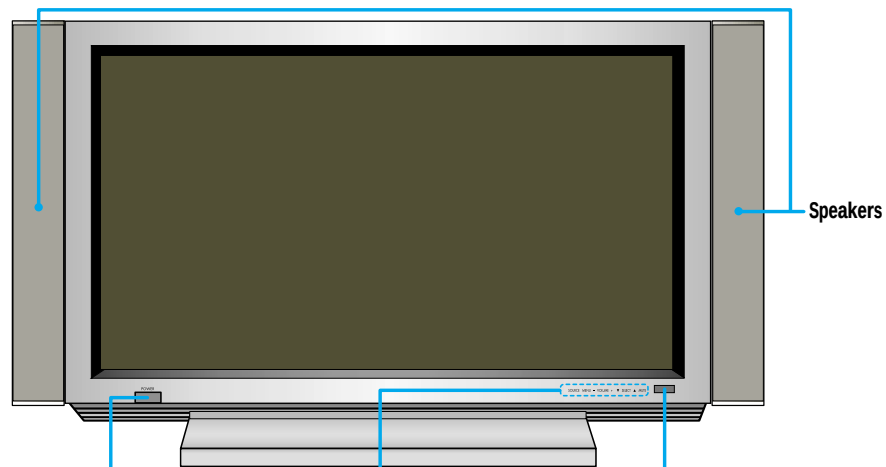


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Your New Plasma Display Panel

Front Panel

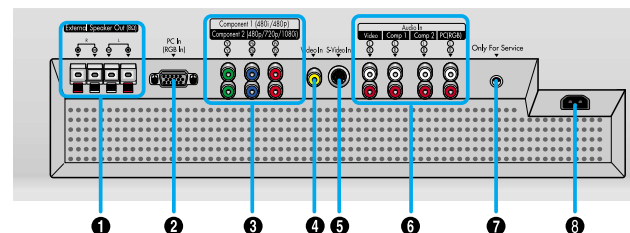
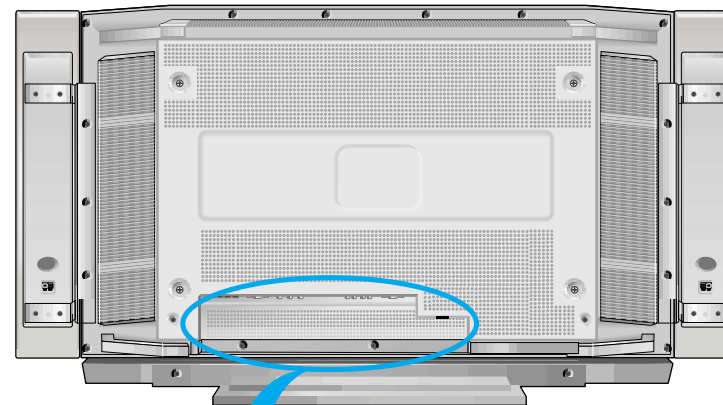


POWER
Press to turn the PDP on and off.

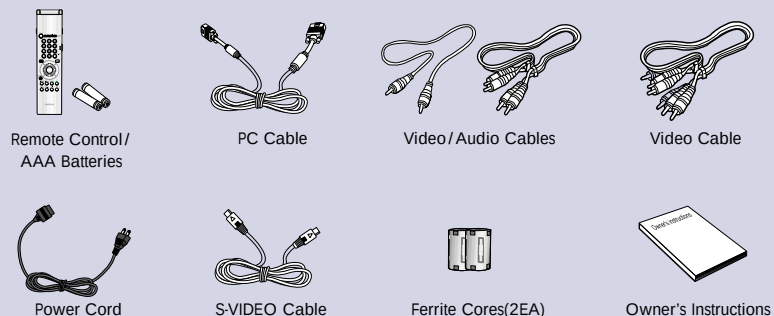
SOURCE, MENU, VOLUME (-,+), SELECT (▼,▲), MUTE

Remote Control Signal Receiver
Aim the remote control towards this spot on the Monitor.

Rear Panel



Checking Accessories



1 External Speaker Out jacks

Connect external speakers.

2 PC(RGB) Input jack (15pin)

Connect to the video output jack on your PC.

3 Component Video Input jacks (Y/Pb/Pr)

Component 1 inputs are for 480i/480p.
Component 2 inputs are for 480p/720p/1080i.

4 Video Input jack

Connect a video signal from external sources such as VCRs or DVD players.

5 S-Video Input jack

Connect a S-Video signal from an S-VHS VCR or DVD player.

6 Audio Input (Video/Component1/2/PC(RGB)) jacks

Connect a audio signal from external sources such as VCRs, PC or DVD players.

7 Service Jack

Connect the RS-232C input jack to your PC.

8 Power Input jack

Connect the supplied power cord.



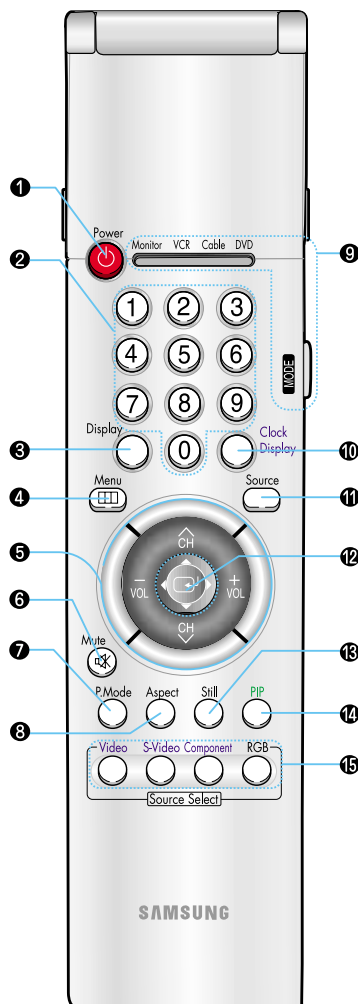
Remote Control Buttons

Remote Control

Flip the cover open in the arrow direction.



- 1 Power button**
Turns the PDP on and off.
- 2 Number buttons**
- 3 Display button**
Press to display information on the PDP screen.
- 4 Menu button**
Displays the main on-screen menu.
- 5 CH (Channel) and VOL (Volume) buttons**
Channel and Volume buttons are used for selecting menu items in the menu mode.
- 6 Mute button**
Press to mute the PDP sound.
- 7 P.Mode button**
Adjust the PDP picture by selecting one of the preset factory settings (or select your personal, customized picture settings.)
- 8 Aspect button**
Press to change the screen size.
- 9 Mode button**
Selects a target device to be controlled by the Samsung remote control (ie., VCR, Cable, or DVD players).
- 10 Clock Display button**
Press to display clock on the PDP screen.
- 11 Source button**
Press to display all of the available video sources (ie., Video, S-Video, Component1, Component2, PC(RGB)).
- 12 Joystick button**
Use to highlight on-screen menu items and change menu values.
- 13 Still button**
Press to pause the current screen.
- 14 PIP button**
Activates picture in picture.
- 15 Source selection buttons**
Press to directly select Video, S-Video, Component1, Component2 or PC(RGB).

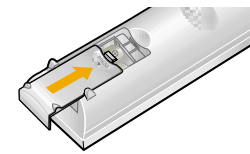
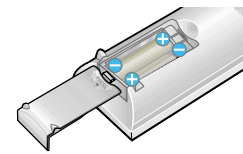
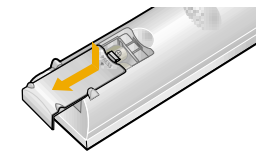


- 16 VCR control buttons**
Controls VCR tape functions: Stop, Rewind, Play/Pause, Fast Forward.
- 17 SET button**
Used during setup of this remote control, so that it will work compatibly with other devices (VCR, cable box, DVD, etc.)
- 18 Clock set button**
Press to set clock.
- 19 PIP control buttons**
Source : Press to select one of the available signal sources for the PIP window.
S.Sel : Press to select the Audio (PIP or Main).
Locate : Press to move the PIP window on the screen.
- 20 PC control buttons**
Auto Adjust
Scaling
Zoom/Pan
- 21 S.Mode button**
Adjust the PDP sound by selecting one of the preset factory settings (or select your personal, customized sound settings.)
- 22 Sleep button**
Press to select a preset time interval for automatic shutoff.



Installing the Batteries in Your Remote Control

- 1** Slide the back cover to open the battery compartment of the remote control
- 2** Install two AAA size batteries. Make sure to match the "+" and "-" ends of the batteries with the diagram inside the compartment.
- 3** Slide the cover back into place.



Remote Control Operation Range.

You can use your remote control within a distance of 23 feet and an angle of 30 degrees from the left and right sides of the remote control receiver of the monitor.



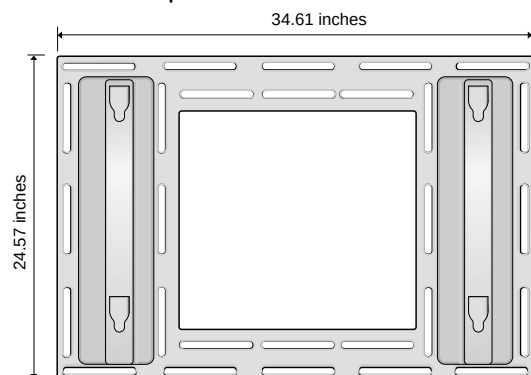
Wall Installation Instructions

Installation Notes

- 1 Do not install the PDP in any location other than vertical walls.
- 2 To protect the performance of the PDP and prevent problems, avoid the following places:
 - Do not install next to smoke and fire detectors.
 - Do not install in an area subjected to vibration.
 - Do not install in an area subjected to high voltage.
 - Do not install near or around any heating apparatus.
- 3 Use only recommended parts and components.

Parts (Wall attachment panel is sold separately. Check with your dealer)

Wall attachment panel



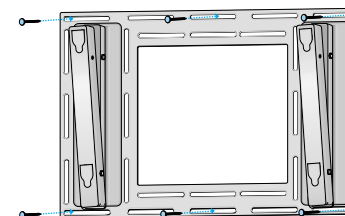
bolt



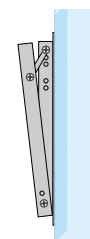
Insulation holder

Installing the Display on the Wall Attachment Panel

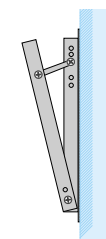
- 1 See the drawing of the wall attachment panel shown in page 14 to check for the stability of the wall where the PDP is to be installed. If the wall is not enough strong to support the PDP, strengthen the wall before installation.
- 2 Fix the wall attachment panel on the wall using bolts as shown in the following figure: Fixing bolts must protrude from the wall approx. 0.6 inches.



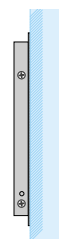
- 3 Using the wall attachment panel, you may adjust the angle of the display from 0 to 20 degrees. The angle can be set in 5 stages with 5 degrees of distance each, using the angle control holes on the sides of the panel.



When the angle has been set to 5 degrees.



When the angle has been set to 15 degrees.



When the panel hasn't been tilted.

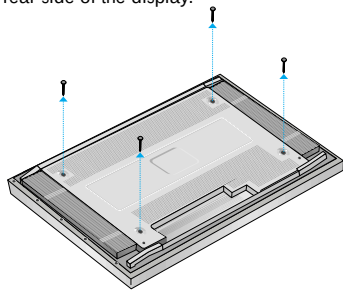
Angle control holes

- 5 degrees of tilt
- 10 degrees of tilt
- 15 degrees of tilt
- 20 degrees of tilt
- No tilt



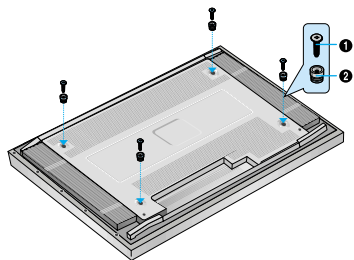
Continued...

4 Remove four large screws from the rear side of the display.

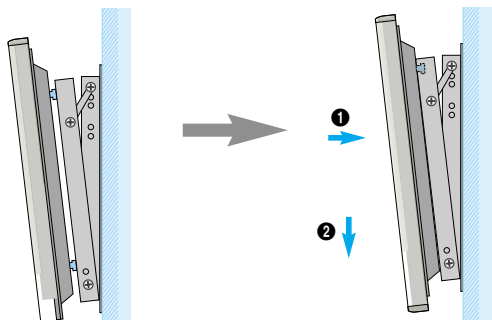


5 Insert the bolts and insulation into the **four screwholes** as shown in the following figure:

- ① Bolt
- ② Insulation holder



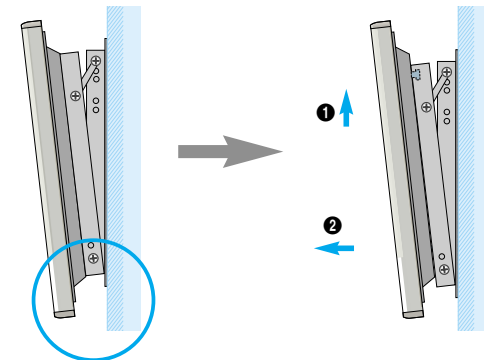
6 Put the insulation rubber point protruding from the rear top of the display in the groove on the top of the wall attachment panel. Lift up the display a little bit so that the insulation rubber point at the bottom of the rear side of the display is put in the groove at the bottom of the wall attachment panel. (Do not lift the display with any pressure. The insulation rubber at the top may be taken off.)



● Separating the Display from the Wall Attachment Panel

Remove the fixing bolts from both sides (left and right) of the wall attachment panel. Lift and pull the bottom of the display a small amount, to separate the insulation holder point from the bottom of the wall attachment panel.

Lift the display and separate the insulation holder point from the groove on top of the wall attachment panel.





Turning the Monitor(PDP) On and Off

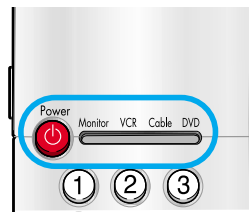
Turning the Monitor(PDP) On and Off

Press the Power button on the remote control. The PDP will be turned on and you will be ready to use it's features.

You can also use the Power button on the front of the PDP.

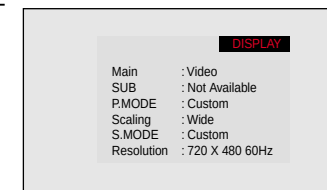
Notes:

- If your Monitor isn't turned on when the power button is pressed: Press the MODE button to check if the Monitor mode has been chosen ().



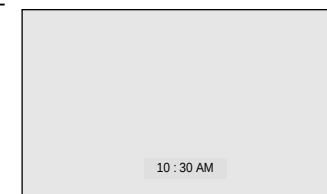
Displaying Status Information

Press the Display button on the remote control. The PDP will display the Screen size, Resolution, Current time, and screen mode.



Displaying Clock

Press the Clock Display button on the remote control. The Current time will be displayed on the screen.

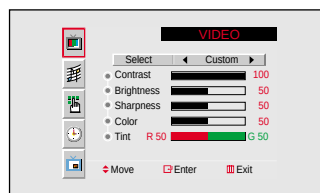


Viewing the Menus and Displays

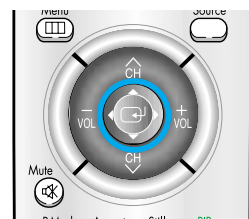
Your PDP has a simple, easy-to-use menu system that appears on the PDP screen. This system makes it convenient and fast to use features on the PDP. Your PDP also lets you display the status of many of your PDP's features.

Viewing the Menus

- With the power on, press the Menu button on the remote control. The main menu appears on the screen. The Video menu is selected.



- Use the joystick (up, down) button to move items in the menu. Use the joystick (left, right) button to display, change, or use the selected items. Use the joystick (center) button to enter items in the menu. On screen menus disappear from the screen automatically after about thirty seconds, or you can press the Menu button on your remote control to exit the menu.



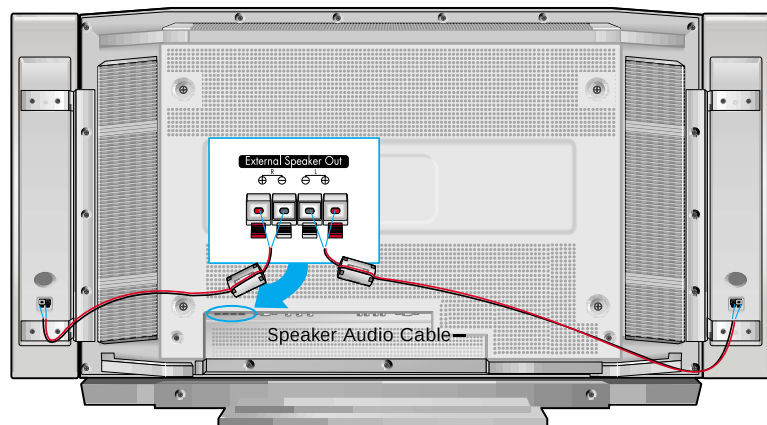
Connections
(Connecting Speakers / Receiver)



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Connecting a Set-Top Box	25



Connecting Speakers



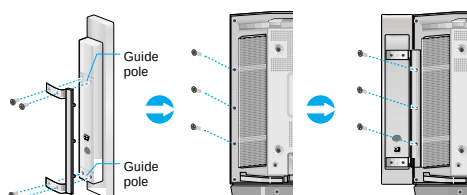
★ External speakers MUST have a power handling capability of 7 watts minimum(impedance 8ohm).

How to Connect

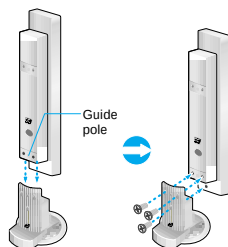
Connect the speaker audio cable to the external speaker output jack on the rear of the PDP, matching the "+" and "-" ends of the cable with the diagram on the PDP.

Connecting PDP and Speakers / Stand and Speakers

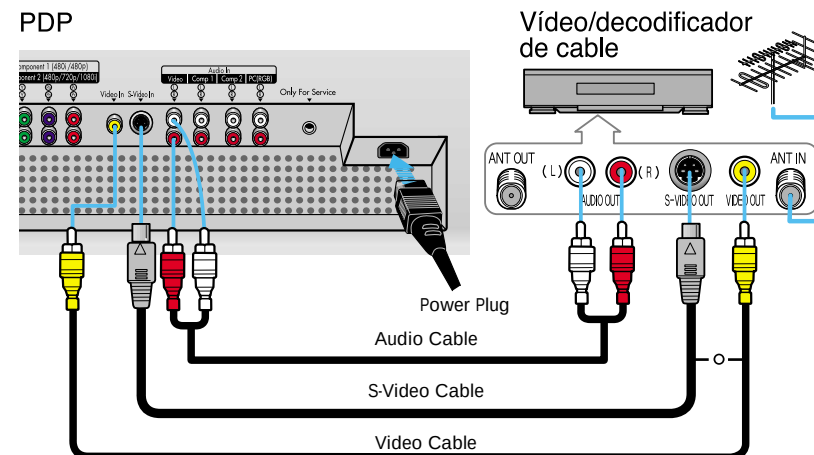
- 1 Fix the bracket onto the guide pole located on the rear of speaker and fasten the screws.
- 2 After removing the three screws on the PDP, clamp the speaker and the PDP together and fasten the screws.



• Connecting Speakers to Stands.



Plasma Display Connecting a VCR/Cable Box



How to Connect

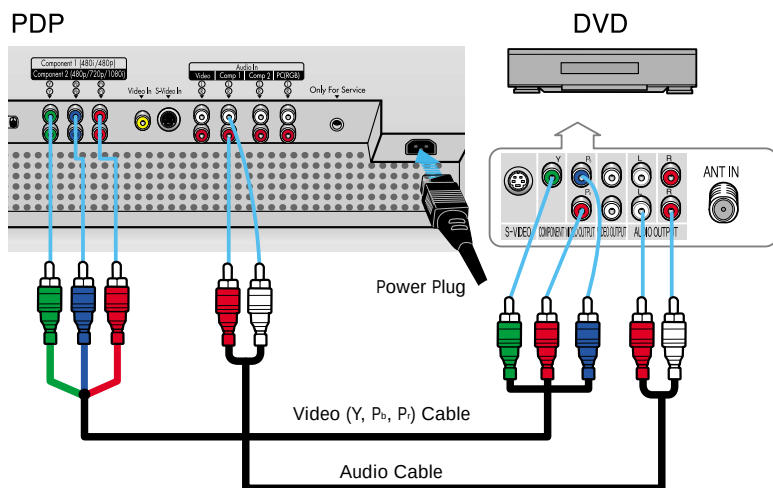
- 1 Connect Video/S-Video cable between the Video/S-Video Output jack on the VCR/Cable box and the Video Input jack on the PDP.
 - For better video, use an S-Video cable.
- 2 Connect an Audio cable between the Audio Output jacks on the VCR/Cable box and the Audio Input jacks (Video) on the PDP.

Videotape Playback:

1. Turn on PDP and press the Video or S-Video(if S-Video jack is connected.) button on your remote control.
2. Turn on your VCR, insert a videotape and press the Play button.



Connecting a DVD (480i/480p)



How to Connect

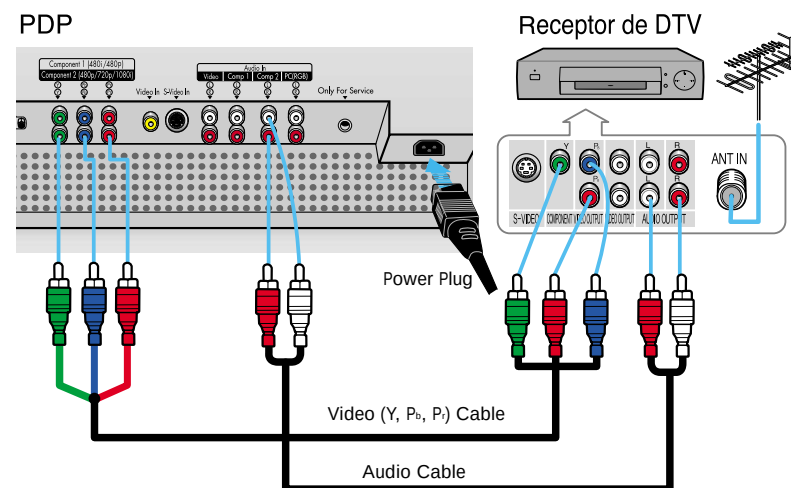
- 1 Connect a Video cable between the DVD Output jacks on the DVD and the Component1 Video Input (Y,P,B,P) Input jacks on the PDP.
- 2 Connect an Audio cable between the Audio Output jacks on the DVD and the Audio Input jacks (Component) on the PDP .

Play to DVD:

1. Turn on PDP and press the Component button to select the Component1 mode.
 2. Turn on your DVD, insert a DVD disc and press the Play button.
- For an explanation of Component video, see your DVD owner's instructions.



Connecting a Set-Top Box(480p/720p/1080i)



How to Connect

- 1 Connect a Video cable between the Set-Top Box (Y,P,B,P) Output jacks on the Set-Top Box and the Component 2 Video Input (Y,P,B,P) Input jacks on the PDP.
- 2 Connect an Audio cable between the Audio Output jacks on the Set-T op Box and the Audio Input jacks (Component) on the PDP .

To Watch DTV:

1. Turn on PDP and press the Component button to select the Component2 mode.
 2. Turn on your DTV receiver.
- For an explanation of Component video, see your DTV receiver owner's instructions.

SAMSUNG

P L A S M A D I S P L A Y P A N E L

Picture Control



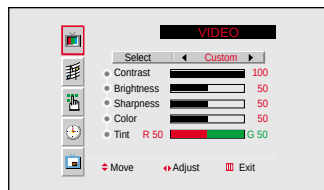
Customizing the Picture	28
Using Automatic Picture Settings	29
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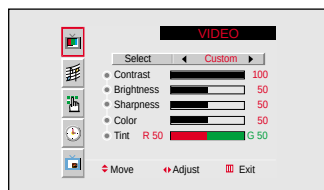
Customizing the Picture

You can use the on-screen menus to change the Brightness, Contrast, Sharpness, Color, and Tint settings of your PDP.

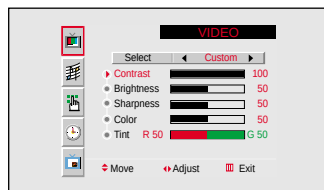
- 1 Press the Menu button, then press the joystick to enter.



- 2 Move the joystick left or right to select "Custom". You will also see the items "Contrast", "Brightness", "Sharpness", "Color" and "Tint".



- 3 Move the joystick up or down to select the item you wish to change.



- 4 Move the joystick left or right to change the value of the item.



- 5 Press the Menu button to exit.

Note

- In the PC mode, you can't adjust the sharpness, color and tint.

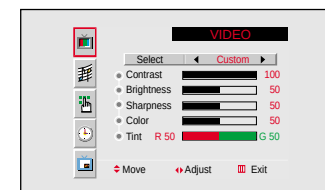


Using Automatic Picture Settings

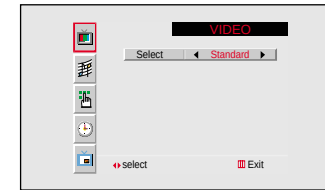
Your PDP has automatic picture settings that allow you to adjust the video display easily.

- 1 Press the Menu button, then press the joystick to enter.

Quick way to access the picture setting: Just press "P.Mode" on the remote control.



- 2 Move the joystick left or right to select "Custom", "Standard", "Mild", or "Dynamic" picture setting.
 - You can select "High," "Middle," "Low," or "Custom" in PC mode.



- 3 Press the Menu button to exit.

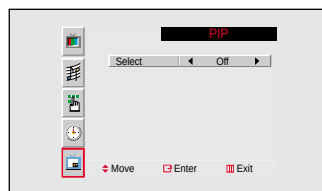


Viewing the Picture-in-Picture

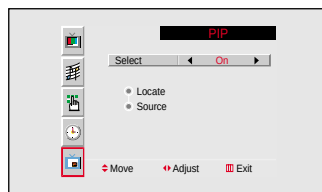
Selecting the PIP Screen

- 1 Press the Menu button. Move the joystick up or down to select "PIP", then press the joystick to enter.

Quick way to access the PIP: Just press "PIP" on the remote control.



- 2 Move the joystick left or right to select "On". The PIP image will appear in the corner of the screen.



- 3 Press the Menu button to exit.

Note

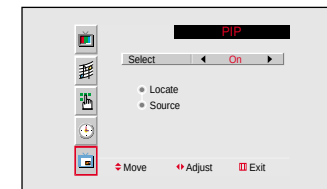
- The PIP function operates in PC mode or Component2 mode only.

Selecting an External Signal

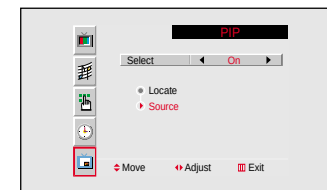
You can use PIP to view a signal from an external source, such as a VCR.

- 1 Press the Menu button. Move the joystick up or down to select "PIP", then press the joystick to enter.

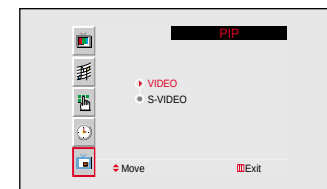
Quick way to access the PIP source: Just press "Source" in the cover on the remote control.



- 2 Move the joystick up or down to select "Source", then move the joystick left or right to enter.



- 3 Move the joystick up or down to select an external signal, then move the joystick left or right.



- 4 Press the Menu button to exit.



Plasma Display

Changing the Screen Size

(When entering the Video mode)

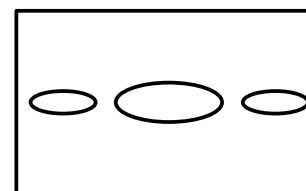
When you press the Aspect button on the remote control, the PDP's screen mode should appear in sequence. The screen displays in this order: Wide, Panorama, Zoom1, Zoom2, Stretch, 4:3.

Note

- If you watch a still image or the 4:3 mode for a long time(over 2 hours), an image may be burned onto the screen. View the monitor in Wide or Panorama mode as much as possible.

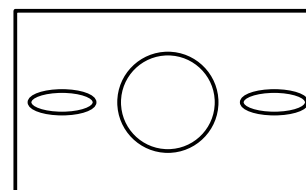
Wide

Sets the picture to 16:9 wide mode.



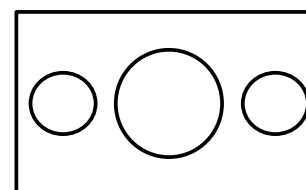
Panorama

Converts regular 4:3 aspect ratio screen to widescreen.



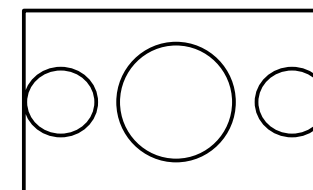
Zoom1

Magnifies the picture vertically on screen.



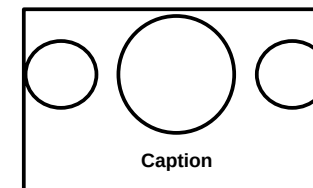
Zoom2

Magnifies the size of the picture more than Zoom1.



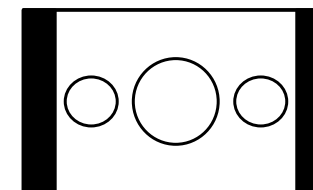
Stretch

Moves the Zoom2 picture up a little to fully show the bottom. Use this picture size if you want to view the Zoom2 picture along with captions when watching movies.



4:3

Sets the picture to 4:3 normal mode. This is a standard PDP screen size.



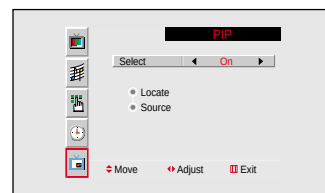
Note

- In VIDEO, S-VIDEO, and Component1 modes, all screen modes can be selected. (Wide → Panorama → Zoom1 → Zoom2 → Stretch → 4:3).

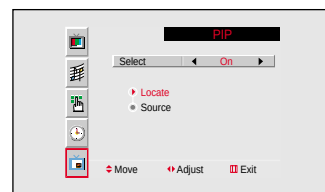
Changing the Location of the PIP Image

- Press the Menu button. Move the joystick up or down to select "PIP", then press the joystick to enter.

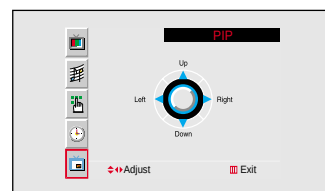
Quick way to access the PIP location: Just press "Locate" in the cover on the remote control.



- Move the joystick up or down to select "Locate", then move the joystick left or right to enter.



- Move the joystick to move the PIP screen where you want.



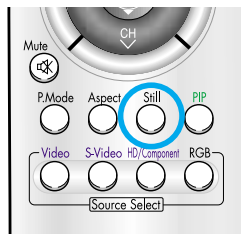
- Press the Menu button to exit.



Freezing the Picture

Still

Press the Still button on the remote control to freeze a moving picture. Press again to cancel.



P L A S M A D I S P L A Y P A N E L

Sound Control

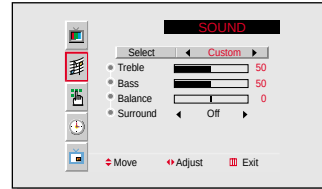


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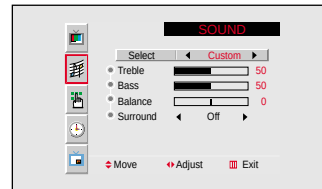


Customizing the Sound

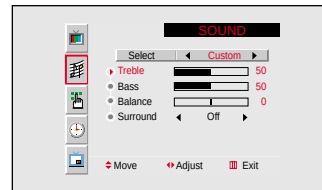
- 1 Press the Menu button. Move the joystick up or down to select "SOUND", then press the joystick to enter.



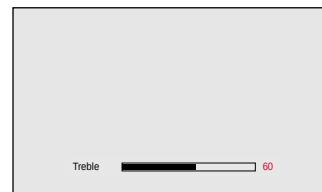
- 2 Move the joystick left or right to select "Custom". You will also see the items "Treble", "Bass", "Balance" and "Surround".



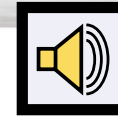
- 3 Move the joystick up or down to select the item you wish to change.



- 4 Move the joystick left or right to change the value of the item.



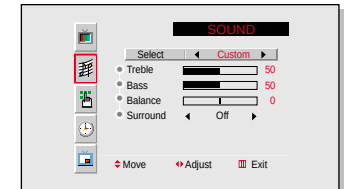
- 5 Press the Menu button to exit.



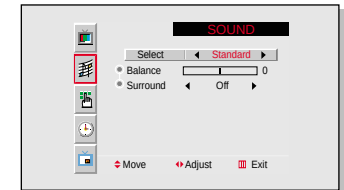
Using Automatic Sound Settings

- 1 Press the Menu button. Move the joystick up or down to select "SOUND", then press the joystick to enter.

Quick way to access the sound setting: Just press "S.Mode" in the cover on the remote control.



- 2 Move the joystick left or right to select "Custom", "Standard", "Music", "Movie" or "Speech" sound setting.



- 3 Press the Menu button to exit.

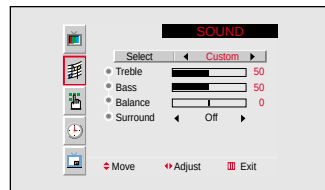
Note

- The Automatic Sound Setting function doesn't operate in PC mode.

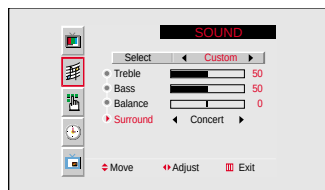


Using the Surround

- 1 Press the Menu button. Move the joystick up or down to select "SOUND", then press the joystick to enter.



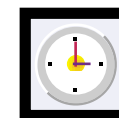
- 2 Move the joystick up or down to select "Surround", then move the joystick left or right to select "Concert", "Hall" or "Stadium".



- 3 Press the Menu button to exit.

P L A S M A D I S P L A Y P A N E L

Time Setting



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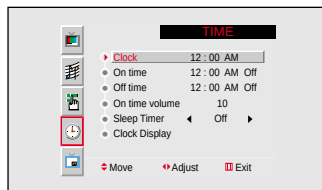


Setting the Clock

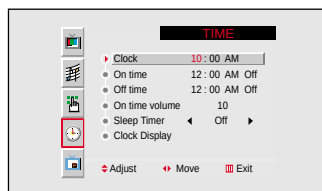
This PDP has a built-in clock that will appear on screen when you press the Clock Display button on the remote control.

- 1 Press the Menu button. Move the joystick up or down to select "TIME", then press the joystick to enter.

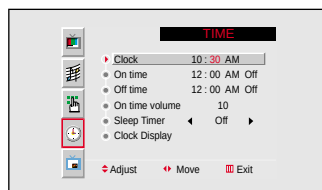
Quick way to access the Clock Set : Just press "Clock Set" in the cover on the remote control.



- 2 Move the joystick left or right to select hour, then move the joystick up or down to select the correct hour.



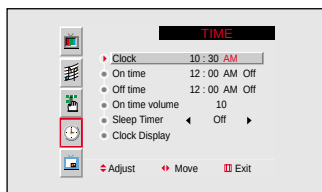
- 3 Move the joystick left or right to select minute, then move the joystick up or down to select the correct minute.



- 4 Move the joystick left or right to select "AM", then move the joystick up or down to select "AM" or "PM".

- If you want to display the Clock on screen, move the joystick down to select "Clock Display", then move the joystick right.

Quick way to access the clock display: Just press "Clock Display" on the remote control.



- 5 Press the Menu button to exit.

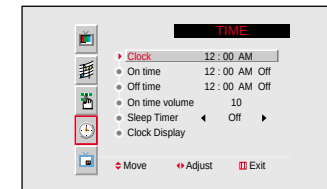


Setting the Sleep Timer

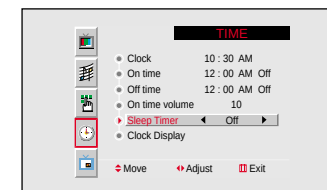
You can set your PDP to automatically turn off after a preset interval.

- 1 Press the Menu button. Move the joystick up or down to select "TIME", then press the joystick to enter.

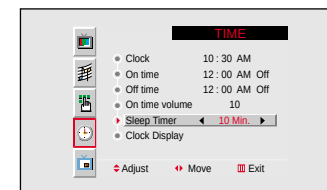
Quick way to access the sleep timer: Just press "Sleep" in the cover on the remote control.



- 2 Move the joystick up or down to select "Sleep Timer".



- 3 Move the joystick left or right to select the time interval for the PDP to stay on. The interval ranges from 10 to 360 minutes.



- 4 Press the Menu button to exit.

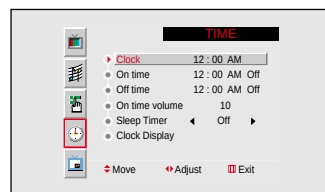


Setting the Timers

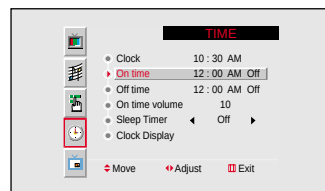
This PDP can be set to turn on or off automatically at specific times that you choose. Before using the timers, you must set the PDP's clock, as described previously.

Setting the On/Off Timer

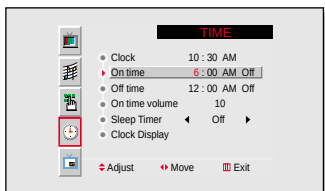
1 Press the Menu button. Move the joystick up or down to select "TIME", then press the joystick to enter.



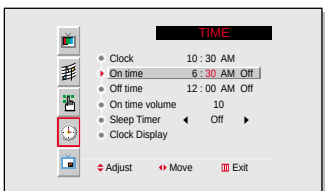
2 Move the joystick up or down to select "On time", then move the joystick left or right.



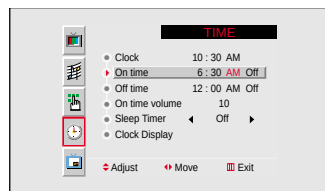
3 Move the joystick left or right to select hour, then move the joystick up or down to select the correct hour.



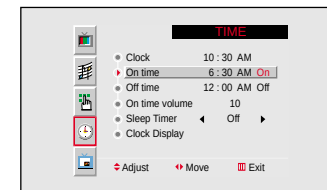
4 Move the joystick left or right to select minute, then move the joystick up or down to select the correct minute.



5 Move the joystick left or right to select "AM", then move the joystick up or down to select "AM" or "PM".

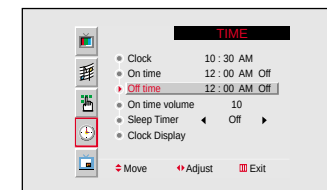


6 Move the joystick left or right to select "Off", then move the joystick up or down to select "On".



7 If you want to set the Off Time, move the joystick down to select "Off Time". Set the "Off Time" just as you set "On Time".

- If you want to set the volume level when the PDP turns on, move the joystick down to select "On time volume". Move the joystick right to set the volume level you want when the PDP turns on.



8 Press the Menu button to exit.

Connecting PC and Operation



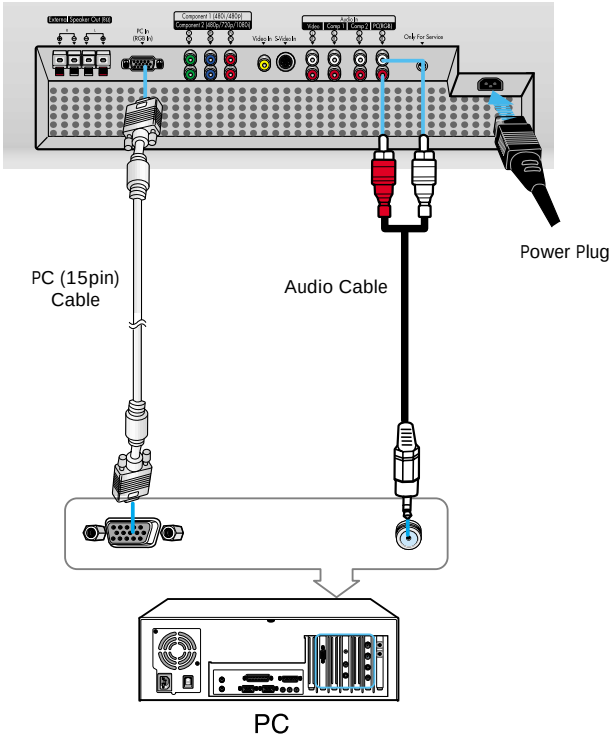
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Connecting to a PC

This PDP is not compatible with Macintosh PC.

PDP



Pin Configuration

• 15Pin Signal Cable (based on protruded pin)

Pin No.	PC IN	PC OUT
1	Red (R)	Red (R)
2	Green (G)	Green (G)
3	Blue (B)	Blue (B)
4	Grounding	Grounding
5	Grounding (DDC)	Grounding (DDC)
6	Red (R) Grounding	Red (R) Grounding
7	Green (G) Grounding	Green (G) Grounding
8	Blue (B) Grounding	Blue (B) Grounding
9	Reserved	Reserved
10	Sync Grounding	Sync Grounding
11	Grounding	Grounding
12	Data (DDC)	Data (DDC)
13	Horizontal sync.	Horizontal sync.
14	Vertical sync.	Vertical sync.
15	Clock (DDC)	Clock (DDC)

Setting up Your Monitor (Plug and Play)

Our adoption of the new VESA® Plug and Play solution eliminates complicated and time consuming setup. It allows you to install your monitor in a Plug and Play compatible system, without the usual setup hassles and confusion. Your PC system can easily identify and configure itself for use with your display. This monitor automatically tells the PC system its Extended Display Identification data (EDID) using Display Data Channel (DDC) protocols.

Connecting a PC to the PDP

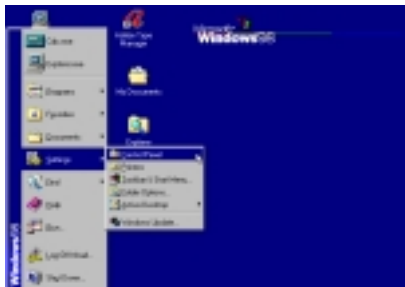
- 1 Connect a PC (15pin) cable between the Video Output jack on the PC and the PC Input jack (15p D-SUB) on the PDP.
 - For an explanation of Component video, see your PC owner's instructions.
- 2 Connect a Audio cable between the Audio Output jack on the PC and the Audio Input (PC) on the PDP.

To watch the PC screen:

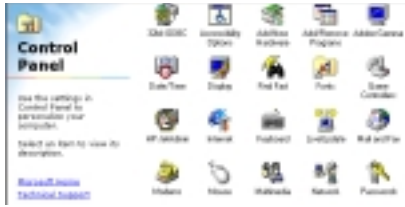
1. Turn on PDP and press the RGB button on the remote to select the PC mode.
2. Turn on PC and check for PC system requirements.
(Refer to pages 48 and 49 for PC system requirements.)
3. Adjust the PC screen. (Refer to page 50.)

How to Set up Your PC Software (Windows only)

The Windows display-settings for a typical computer are shown below. However, the actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. But even if your actual screens look different, the same, basic set-up information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)



On the windows screen, select in the following sequence : Start → Settings → Control Panel.



When the control panel screen appears, click on "Display" and a display dialog-box will appear.



Select the "Settings" tab in the display dialog-box.

The two key variables that apply the PDP-PC interface are "resolution" and "colors." The correct settings for these two variables are:

- Size (sometimes called "resolution"): 640 x 480 pixels.
- Color: "24-bit" color (might also be expressed as "16 million colors") Shown at left is a typical screen for "Display" dialog box.

If a vertical-frequency option exists on your display settings dialog box, the correct value is "60" or "60 Hz." Otherwise, just click "OK" and exit the dialog box.

Continued...

Notes:

Both screen position and size will vary, depending on the type of PC monitor and its resolution. The table below shows all of the display modes that are supported:

Video signal	Dot X Line	Vertical Frequency (Hz)	Horizontal Frequency (KHz)	Vertical polarity	Horizontal polarity
IBM PC / AT Compatible	640 X 350	70.086	31.469	N	P
		85.080	37.861	N	P
	640 X 400	85.080	37.861	P	N
		70.087	31.469	P	N
	720 X 400	85.039	37.927	P	N
		59.940	31.469	N	N
		72.809	37.861	N	N
		75.000	37.500	N	N
	800 X 600	85.008	43.269	N	N
		56.250	35.156	N / P	N / P
		60.317	37.879	P	P
		72.188	48.077	P	P
		75.000	46.875	P	P
		85.061	53.674	P	P
	1024 X 768	60.004	48.363	N	N
		70.069	56.476	N	N
		75.029	60.023	P	P
		84.997	68.677	P	P

- The interlace mode is not supported.
- The PDP operates abnormally if a non-standard video format is selected.

Notes:

- When this PDP is used as a PC display, 24-bit color is supported (over 16 million colors).
- Depending on the manufacturer, your PC display screen might appear different. (and depending on your particular version of Windows).
Check your PC instruction book for information about connecting your PC to a PDP.
- If a vertical and horizontal frequency-select mode exists, select 60Hz (vertical) and 31.5kHz (horizontal).
- In some cases, abnormal signals (such as stripes) might appear on the screen when the PC power is turned off (or if the PC is disconnected). If so, press the Source button to enter the VIDEO mode. Also, make sure that the PC is connected.
- Connect only a PC monitor to the monitor output port while viewing the PC screen. (Otherwise, random signals might appear).

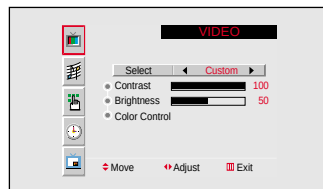
PC Adjusting the PC Screen

Adjusting the R.G.B

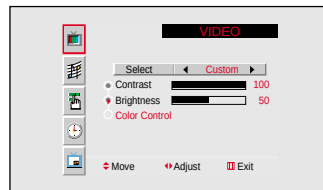
Preset:

- Press the RGB button to select the PC mode.

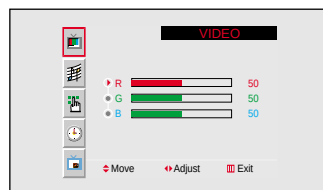
1 Press the Menu button, then press the joystick to enter.



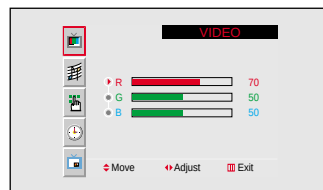
2 Move the joystick up or down to select "Color Control", then move the joystick left or right to enter.



3 Move the joystick up or down to select the item you want to change.



4 Move the joystick right or left to change the value of the item, using the on-screen gauge as your guide.



5 Press the Menu button to exit.

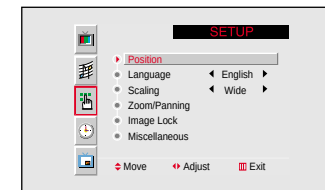
Plasma Display PC Changing the Position of the Image

After connecting the PDP to your PC, adjust the position of the screen if it is not well-aligned.

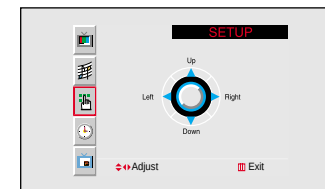
Preset:

- Press the RGB button to select the PC mode.

1 Press the Menu button. Move the joystick up or down to select "SETUP", then press the joystick to enter.



2 Move the joystick left or right to select "Position", then adjust the position of screen by using the joystick button.



3 Press the Menu button to exit.

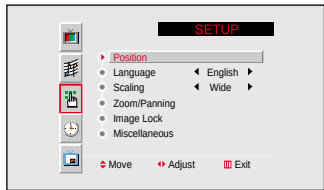
PC Changing the Size of the Image

Preset:

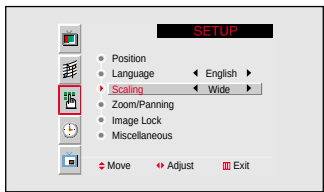
- Press the RGB button to select the PC mode.

- 1 Press the Menu button. Move the joystick up or down to select "SETUP", then press the joystick to enter.

Quick way to access the Size: Just press "Scaling" in the cover on the remote control.



- 2 Move the joystick up or down to select "Scaling", then move the joystick left or right to select "Wide" or "4:3".



- 3 Press the Menu button to exit.

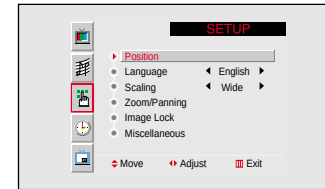
PC Enlarging the Image (Zoom)

Preset:

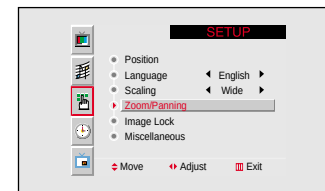
- Press the RGB button to select the PC mode.

- 1 Press the Menu button. Move the joystick up or down to select "SETUP", then press the joystick to enter.

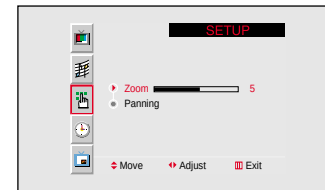
Quick way to access the Zoom: Just press "Zoom/Pan" in the cover on the remote control.



- 2 Move the joystick up or down to select "Zoom/Panning", then move the joystick left or right to enter.



- 3 Move the joystick left or right to enlarge the image.
 - The picture can be expanded 0 to 10 in Zoom mode.



- 4 Press the Menu button to exit.



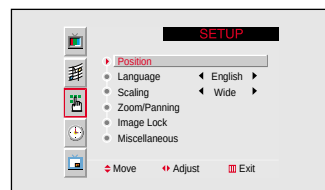
Moving the Zoom Picture

Preset:

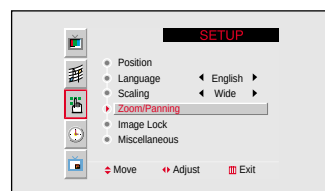
- Press the RGB button to select the PC mode.

- Press the Menu button. Move the joystick up or down to select "SETUP", then press the joystick to enter.

Quick way to access the Panning : Just press "Zoom/Pan" in the cover on the remote control.

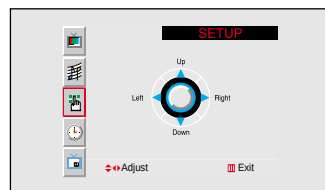
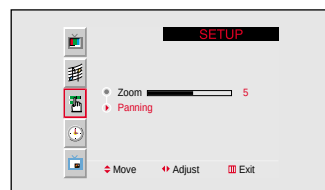


- Move the joystick up or down to select "Zoom/Panning", then move the joystick left or right to enter.



- Move the joystick up or down to select "Panning", then move the joystick left or right to enter.

- The Panning feature operates only when the picture is in Zoom mode.



- Press the Menu button to exit.



Picture Quality Adjustment

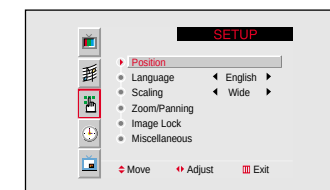
Picture Automatic Adjustment On/Off

Preset:

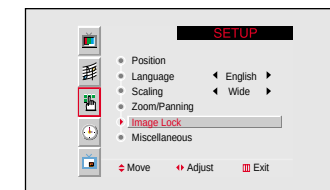
- Press the RGB button to select the PC mode.

- Press the Menu button. Move the joystick up or down to select "SETUP", then press the joystick to enter.

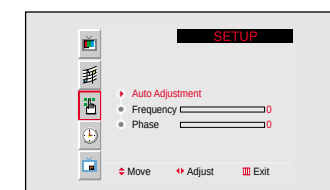
Quick way to access the Auto Adjust: Just press "Auto Adjust." in the cover on the remote control.



- Move the joystick up or down to select "Image Lock", then move the joystick left or right to enter.



- Move the joystick up or down to select "Auto Adjust", then move the joystick left or right. The message "Auto in progress" appears on the screen and the picture adjustments are automatically activated.



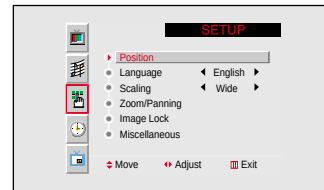
- Press the Menu button to exit.

Frequency Adjustment

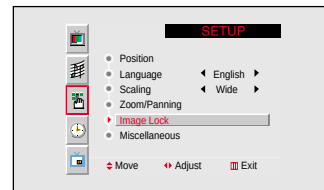
Preset:

- Press the RGB button to select the PC mode.

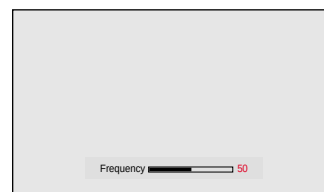
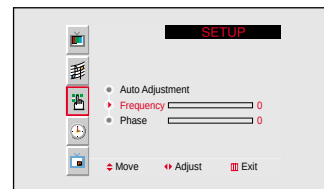
1 Press the Menu button. Move the joystick up or down to select "SETUP", then press the joystick to enter.



2 Move the joystick up or down to select "Image Lock", then move the joystick left or right to enter.



3 Remove picture noise (vertical stripes) on the screen by moving the joystick left or right. (If frequency is not set properly, vertical stripes will appear on the screen.)



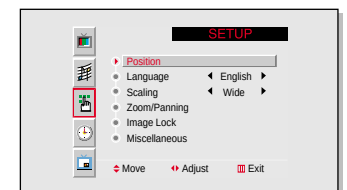
4 Press the Menu button to exit.

Fine Tuning (Phase)

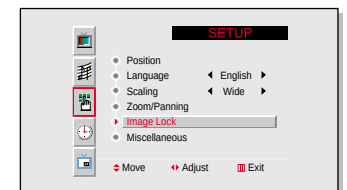
Preset:

- Press the RGB button to select the PC mode.

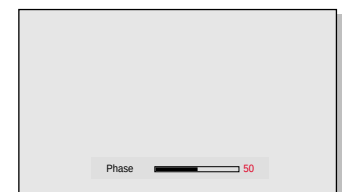
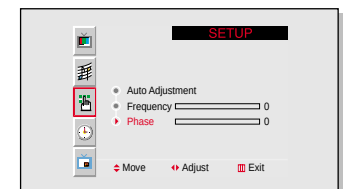
1 Press the Menu button. Move the joystick up or down to select "SETUP", then press the joystick to enter.



2 Move the joystick up or down to select "Image Lock", then move the joystick left or right to enter.



3 Move the joystick up or down to select "Phase". Remove picture noise (vertical stripes) on the screen by moving the joystick left or right. (If phase is not set properly, the picture may be blurry.)



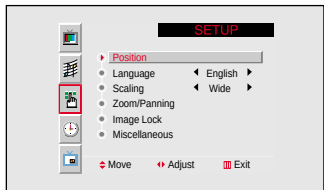
4 Press the Menu button to exit.

PC Information

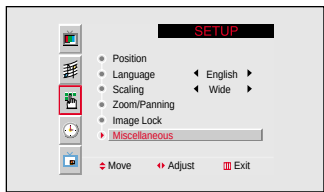
Preset:

- Press the RGB button to select the PC mode.

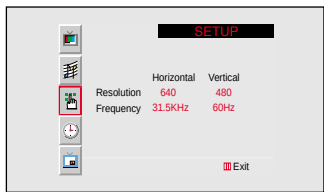
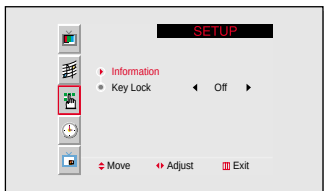
1 Press the Menu button. Move the joystick up or down to select "SETUP", then press the joystick to enter.



2 Move the joystick up or down to select "Miscellaneous", then move the joystick left or right to enter.



3 Move the joystick up or down to select "Information", then move the joystick left or right to enter.



4 Press the Menu button to exit.

PC Power Saver (PC mode only)

This monitor has a built-in power management system called Power Saver. This power management system saves energy by switching your monitor into a low-power mode when it has not been used for a certain amount of time. This power management system operates with a VESA DPMS compliant video card installed in your computer. You use a software utility installed on your computer to set up this feature. See the table below for details.

Table 1. Power-saving modes

State	Normal Operation	Power-saving Function Mode		
		Standby Mode	Suspend Mode Position A1	Power-off Mode Position A2
Horizontal Sync	Active	Inactive	Active	Inactive
Vertical Sync	Active	Active	Inactive	Inactive
Video	Active	Blanked	Blanked	Blanked
Power Indicator	Green	Red Blinking (1 sec Interval)	Red Blinking (1 sec Interval)	Red Blinking (1 sec Interval)

Notes:

- This monitor automatically returns to normal operation when horizontal and vertical sync return.
- This occurs when moving the computer's mouse or pressing a key on the keyboard.
- For energy conservation, turn your monitor OFF when it is not needed, or when leaving it unattended for long periods.

SAMSUNG

P L A S M A D I S P L A Y P A N E L

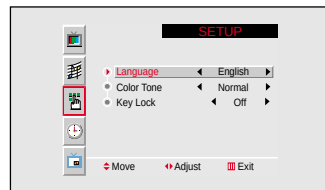
Function Description



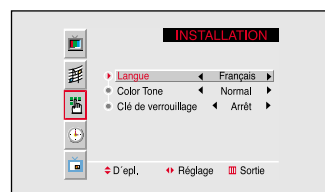
Selecting a Menu Language	62
Setting the Multi Control	63
Using the Key Lock	64
Setting up Your Remote Control	65

+α Selecting a Menu Language

- 1 Press the Menu button. Move the joystick up or down to select "SETUP", then press the joystick to enter.



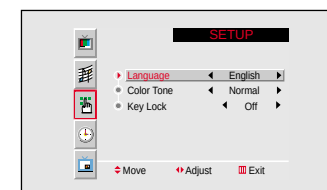
- 2 Move the joystick left or right to select the appropriate language: English, Spanish, or French.



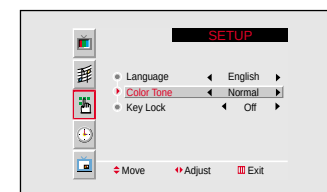
- 3 Press the Menu button to exit.

+α Setting the Color Tone

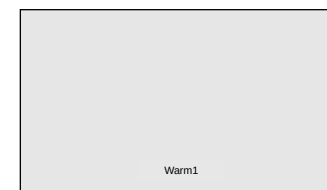
- 1 Press the Menu button. Move the joystick up or down to select "SETUP", then press the joystick to enter.



- 2 Move the joystick up or down to select "Color Tone".



- 3 Move the joystick left or right to select the Color Tone : Normal, Warm1, Warm2, Cool1, Cool2.



- 4 Press the Menu button to exit.

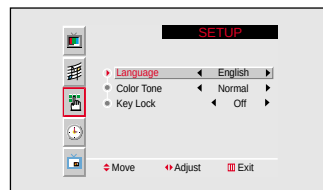
Note

- In the PC mode, you can't adjust the Color Tone.

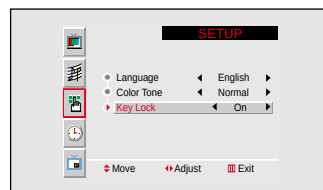
+α Using the Key Lock

When Key Lock is set to ON, the buttons (SOURCE, MENU, VOLUME, SELECT, MUTE, POWER) on the front of the PDP will not operate. However, these buttons will operate when setting Key Lock OFF.

- 1 Press the Menu button. Move the joystick up or down to select "SETUP", then press the joystick to enter.



- 2 Move the joystick up or down to select "Key Lock", then move the joystick left or right to select "On" or "Off".



- 3 Press the Menu button to exit.

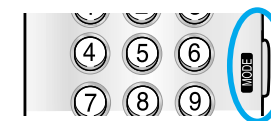
+α Setting up Your Remote Control

This PDP's remote control can operate almost any VCR, cable box, or DVD. After it has been set up properly, your remote control can operate in four different modes: Monitor, VCR, Cable, or DVD. Pressing the corresponding button on the remote control allows you to switch between these modes, and control whichever piece of equipment you choose.

Note: The remote control may not be compatible with all DVD Players, VCRs, and Cable boxes.

Setting Up the Remote to Operate Your VCR, Cable box, or DVD player

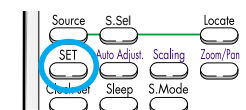
- 1 Turn off your VCR. (or Cable box, DVD player.)



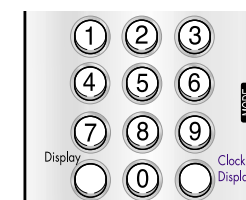
- 2 Press the MODE button and make sure that the VCR (or Cable box, DVD) LED is illuminated.



- 3 Press the Set button on your PDP's remote control.



- 4 Using the number buttons on your remote control, enter three digits of the VCR (or Cable box, DVD) code listed on page 64 of this manual for your brand of VCR (or Cable box, DVD player). Make sure you enter three digits of the code, even if the first digit is a "0". (If more than one code is listed, try the first one.)



- 5 Press the Power button on the remote control. Your VCR (or Cable box, DVD player) should turn on if your remote is set up correctly. If your VCR (or Cable box, DVD player) does not turn on after set up, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of VCR (or Cable box, DVD player). If no other codes are listed, try each code, 000 through 089 (or Cable box: 0000 through 077, DVD player: 000 through 008).



Notes

- When your remote control is in "VCR" mode, the VCR control buttons (Stop, REW, Play/Pause, FF) still operate your VCR.
- When your remote control is in "Cable box" or "DVD" mode, the VCR control buttons (Stop, REW, Play/Pause, FF) still operate your VCR.

Remote Control Codes

VCR Codes

Admiral 006, 079	KLH 073	RCA 000, 005, 007, 008, 028,
Aiwa 015	LG 009, 014, 046, 060	035, 037, 054, 069
Akai 017, 022, 023, 027, 030	Lloyd 015	Samsung 007, 013, 022, 032, 042, 077
Audio Dynamics 014, 016	Logik 031	Sansui 016
Bell & Howell 002	LXI 015	Sanyo 002, 012
Broksonic 010	Magnavox 008, 029, 053, 056	Scott 013, 041, 049, 068
Candle 007, 009, 013, 045, 046, 052	Marantz 002, 008, 014, 016, 029, 030, 046, 061	Sears 002, 005, 009, 012, 018, 019, 035, 043, 048
Cannon 008, 053	Marta 009	Sharp 006, 027, 039, 045
Citizen 007, 009, 013, 045, 046, 052	MEI 008	Shintom 017, 026, 031, 055
Colortyme 014	Memorex 008, 009, 012, 015	Signature 015
Craig 007, 012	MGA 027	Sony 017, 026, 038
Curtis-Mathes 000, 007, 008, 014, 015, 046, 053, 064, 067	Midland 032	Sylvania 008, 015, 029, 053, 056
Daewoo 013, 045, 076	Minota 005, 035	Symphonic 015
DBX 014, 016	Mitsubishi 005, 027, 035, 040	Tandy 002, 015
Dimensia 000	Montgomery ward 006	Tashiko 009
Dynatech 015	MTC 007, 015	Tatung 030
Electrohome 027	Multitech 007, 015, 031, 032	Teac 015, 030, 069
Emerson 008, 009, 010, 013, 020, 023, 027, 034, 041, 042, 047, 049, 057, 062, 065, 067, 068, 070	NEC 002, 014, 016, 030, 046, 061, 064	Technics 008
Fisher 002, 012, 018, 019, 043, 048, 058	Optimus 006	Ternika 008, 009, 015, 021
Funai 015	Panasonic 008, 053, 075, 077	TMK 067
GE 000, 007, 008, 032, 053	Pentax 005, 035	Toshiba 005, 013, 019, 048, 049
Go Video 007	Pentex Reserch+ 046	Totevision 007, 009
Harman Kardon 014	Philco 008, 029, 053, 056	Unitech 007
Hitachi 005, 015, 035, 036	Philips 008, 029	Vector Research 014, 016
Instant Replay 008	Pioneer 005, 016, 033, 050	Victor 016
JC Penney 002, 005, 007, 008, 014, 016, 030, 035, 051, 053	Portland 044, 045, 052	Video Concepts 014, 016
JCL 008, 002, 014, 016, 030, 046	ProScan 000	Videosonic 007
JVC 002, 014, 088, 089	Quartz 002	Wards 005, 006, 007, 008, 009, 012, 013, 015, 027, 031, 035
Kenwood 002, 014, 016, 030, 046	Quasar 008, 053	Yamaha 002, 014, 016, 030, 046
	Radio Shack/Realist 002, 006, 008, 009, 012, 015, 019, 027, 045, 053	Zenith 011, 017, 026, 079

Cable Box Codes

Anvision 007, 008	NSC 009	Signature 046
Cablestar 007, 008	Oak 016, 038	Sprucer 027
Eagle 007, 008	Osk Sigma 016	Starcom 046
Eastern Int. 002	Panasonic 003, 027, 039, 061, 073, 074	Stargate 2000 058
General Instrument 046	Philips 007, 008, 019, 021, 026, 028, 029, 032, 033, 040, 041	Sylvania 011, 059
GI 004, 005, 015, 023, 024, 025, 030, 036, 067, 068, 069	Pioneer 018, 020, 044, 074, 077	Texscan 011, 059
Hamlin 003, 012, 013, 034, 048	Randtek 007, 008	Tocom 017, 021, 049, 050, 055, 073
Hitachi 037, 043, 046	RCA 000, 027, 066	Unika 031, 032, 041
Jerrold 004, 005, 015, 023, 024, 025, 030, 036, 046, 062, 065	Regal 003, 012, 013	Universal 051, 052
Macom 037, 043	Regency 002, 033	Viewster 007, 008, 019, 021, 026, 028, 029, 032, 033, 040, 041
Magnavox 007, 008, 019, 021, 026, 028, 029, 032, 033, 040, 041	SA 070, 071, 072	Warner Amex 044
	Samsung 044, 003, 022, 063, 064	Zenith 014, 042, 057, 061, 075, 076

DVD Codes

Philips 001
Proscan 002
RCA 002
Toshiba 003
Panasonic 004
Sony 008
Samsung 000

P L A S M A D I S P L A Y P A N E L

Appendix



Troubleshooting.....	68
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Troubleshooting

Before you call a service technician, please scan this list of problems and possible solutions. It may save you time and money.

Problem	Possible Solution
Poor picture.	Check all wire connections.
The power indicator is blinking amber.	The monitor is using its power management system. Check the power management utility on your computer.
Your Remote control does not operate the monitor.	Press the "Mode" button to put your remote control in the "Monitor" mode.
The monitor won't turn on.	Make sure the wall outlet is working.
There is no screen image.	Check to see that both the monitor and the source are plugged in and turned on.
The image is too light or too dark.	Adjust the Brightness or Contrast settings.
The image is too large or too small.	Adjust the Size settings.
The message "Check Temp" blinks on the screen and then the picture switches OFF.	The PDP is overheated. Power off the PDP and let it cool for a while.
The message "Check Fan" blinks on the screen and then the picture switches OFF.	The cooling fan of the PDP may have a problem. Contact an authorized service center.



Care and Maintenance

With proper care, your PDP will give you many years of service. Please follow these guidelines to get the maximum performance from your PDP.

Identifying Problems

- Do not put the PDP near extremely hot, cold, humid or dusty places.
- Do not put the PDP near appliances that create magnetic fields.
- Keep the ventilation openings clear.
- Do not place the PDP on a rough and slanted surface, such as cloth or paper.

Liquids

- Do not place liquids near or on the PDP.

Cabinet

- Never open the cabinet or touch the parts inside.
- Wipe your PDP with a clean, dry cloth. Never use water, cleaning fluids, wax, or chemicals.
- Do not put heavy objects on top of the cabinet.

Temperature

- If your PDP is suddenly moved from a cold to a warm place, unplug the power cord for at least two hours so that moisture that may have formed inside the unit can dry completely.



Specifications

Exterior design and product specifications are subject to change without prior notice to improve the performance of this product.

This PDP applies to Class B digital device.

(Note: Class B system is for home use.)

This PDP has been registered for residential use in terms of EMI. So it can be used in all areas as well as residential areas.

Model	SPL4225	
Dimensions	Display	1038.8 (W) X 89 (D) X 635 (H) mm ; 40.90 (W) X 3.50 (D) X 25.00(H) inches
	Remote Control	54 (W) X 31.5 (D) X 220 (H) mm ; 2.13 (W) X 1.24 (D) X 8.66 (H) inches
Weight	Display	32kg ; 70.55lbs
	Remote Control	150g (including batteries) ; 0.33lbs
Voltage	100-240V~, 50/60Hz, 4A	
Power Consumption	310 Watts	
Number of Pixels	852(H) x 480(V)	
Screen Size	106 Cm / 42 inches	
AUDIO input	VIDEO / S-VIDEO COMPONENT 1 COMPONENT 2 PC (RGB)	
AUDIO output	7W + 7W (8 Ω)	
VIDEO input	VIDEO S-VIDEO COMPONENT 1 - 480i / 480p COMPONENT 2 - 480p/720p/1080i RGB : D-SUB 15P	



Memo